

Patent 7,650,004

PATENT

IN UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No.: 7,650,004

Docket No: 899.056US1

Issue Date: January 19, 2010

Patentee: Eric A. Durant

Customer No.: 21186

Confirmation No.: 5533

Title HEARING AIDS AND METHODS AND APPARATUS FOR AUDIO FITTING  
THEREOF

REQUEST FOR CERTIFICATE OF CORRECTION

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450  
ATTN: CERTIFICATE OF CORRECTION BRANCH

It is requested that a Certificate of Correction be issued correcting printing errors appearing in the above-identified United States patent. A copy of the text of the Certificate in the suggested form is enclosed.

Issuance of the Certificate of Correction would neither expand nor contract the scope of the claims as properly allowed, and re-examination is not required.

**As the error is that of the Patent Office, it is believed that no fee is due.**

The Examiner is authorized to charge any additional fees or credit overpayment to  
Deposit Account No.19-0743.

Respectfully Submitted,

SCHWEGMAN, LUNDBERG & WOESSNER, P.A  
P.O. Box 2938  
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Date: April 5, 2010

By: /Timothy E. Bianchi/  
Timothy E. Bianchi  
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CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is filed using the USPTO's electronic filing system EFS-Web, and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 05 day of March, 2010. April - EA

Kevin Austad  
Name

1 Kevin Durant 1  
Signature

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,650,004

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DATED : January 19, 2010

INVENTOR(S) : Eric A. Durant

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 14, lines 16-32, in claim 1, delete "1. An apparatus for fitting a hearing aid by its wearer, comprising: a memory adapted to store a first population comprising a plurality of parent sets; a toggle device adapted to toggle between a pair of the plurality of parent sets; a select indicator for selecting a preferred one set of the pair; a communications link adapted to connect with the hearing aid; and a processor adapted to provide signals to the hearing aid to change operation of the hearing aid based on each parent set, to allow the wearer to select one preferred set for each pair of parent sets, to record a ranking of parent sets, assign probabilities of selection of parent sets, crossover and/or mutate at least one parent set, and replace weakest parent sets with a child set." and

insert - - 1. An apparatus for fitting a hearing aid, comprising:  
a memory having a first population stored therein, the first population comprising a plurality of parent sets;  
a toggle device for toggling between a plurality of pairs of the plurality of parent sets, each of the plurality of pairs having a first and second set;  
a select indicator for selecting a preferred one of the first and second set in the each of the plurality of pairs;  
a genetic algorithm operator for performing one of mutation and crossover on at least one set of the plurality of parent sets thereby producing a child set;  
a genetic algorithm for replacing one of the plurality of parent sets in the first population with the child set thereby forming a second population wherein the toggle device toggles between another pair of sets, the another pair being selected from the second population;  
a processor for converging the sets of the plurality of pairs and the another pair to a single solution set; and  
a communications link for interfacing with the hearing aid.

MAILING ADDRESS OF SENDER:

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Any Docket No: 899.056US1

PATENT NO. 7,650,004

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,650,004

Page (2) of 2

DATED : January 19, 2010

INVENTOR(S) : Eric A. Durant

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In claim 2, lines 33-36, delete "2. The apparatus according to claim 1, wherein the processor ranks a hierarchy of the plurality of parent sets. probability of selection by the select indicator to the sets of the plurality of pairs and the another pair." And  
Insert - - 2. The apparatus according to claim 1, wherein the processor ranks a hierarchy of the plurality of parent sets. - -, therefor.

In column 15, line 36, in Claim 11, delete "aid," and insert - - aid - -, therefor.

In column 15, line 42, in Claim 11, delete "paid" and insert - - pair - -, therefor.

In column 16, line 13, in Claim 13, delete "paid" and insert - - pair - -, therefor.

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